

In the Claims

The following listing of Claims replaces all previous listing of Claims.

Claims 1-5 are canceled.

6. (New). A capped xenon metal halide discharge lamp for vehicles comprising:

an arc tube, with said arc tube having walls, a gas tight outer envelope, with said outer envelope having walls, with said outer envelope disposed surrounding said arc tube, wherein said arc tube is made of pure quartz glass and filled with high pressure xenon,

a Mercury (Hg) and metal halide pellet disposed in said arc tube, wherein said outer envelope is made of glass which prevents transmission of ultra violet (UV) light, wherein said arc tube and said outer envelope define a space therebetween, wherein said space is exhausted to form a vacuum,

wherein said outer envelope comprises:

a portion of said outer envelope disposed proximate to said arc tube and wherein said walls of said arc tube and said walls of said outer envelope are generally parallel.

7. (New). The capped xenon metal halide discharge lamp for vehicles as claimed in claim 6 wherein said portion of said outer envelope comprises:

a ball shaped portion.

8. (New). The capped xenon metal halide discharge lamp for vehicles as claimed in claim 6 wherein said portion of said outer envelope comprises:

an elliptically shaped portion.

9. (New). The capped xenon metal halide discharge lamp for vehicles as claimed in claim 6 wherein said portion of said outer envelope comprises:

a cylindrical portion.

10. (New). The capped xenon metal halide discharge lamp for vehicles as claimed in claim 6 wherein said arc tube further comprises:

a neck portion, wherein said neck portion is ball shaped, wherein said bell shaped neck portion has an outer diameter, and wherein said outer diameter and said outer envelope are sealed together.

11. (New). The capped xenon metal halide discharge lamp for vehicles as claimed in claim 10 wherein said neck portion and said outer envelope form a gas tight seal.

12. (New). The capped xenon metal halide discharge lamp for vehicles as claimed in claim 6 further comprising:

a cap, with said lamp attached to said cap.

13. (New). The capped xenon metal halide discharge lamp for vehicles as claimed in claim 12 further comprising:

a plurality of poles formed on said cap, and

a hoop having a plurality of holes with said holes matching said plurality of poles formed on said cap.

14. (New). The capped xenon metal halide discharge lamp for vehicles as claimed in claim 13 wherein said hoop comprises:

two portions.

15. (New). The capped xenon metal halide discharge lamp for vehicles as claimed in claim 13 wherein said hoop comprises:

four portions.

16. (New). The capped xenon metal halide discharge lamp for vehicles as claimed in claim 12 wherein said cap comprises:

a central portion having a depressed area with said arc lamp projecting into said depressed area.